San Jose Contribution Analysis

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Prepared for the City of San Jose
By ICLEI USA

San Jose, California

The City of San Jose is committed to reducing emissions and promoting a sustainable community. San Jose adopted its Climate Smart San Jose Plan to lead the City in the right direction to a sustainable future. The City adopted the Paris Agreement targets and will aim to reduce energy, transportation and waste emissions and create a greener economy.

This report presents a **contribution analysis** of the 2014 and 2017 geographic-based inventories, which explores drivers of San Jose emissions trends. The contribution analysis, conducted using a tool developed by ICLEI USA, quantifies the impacts of a select set of drivers (e.g., weather, population growth, and utility fuel mix) on GHG inventories across two years, assuming no changes to operational or organizational boundaries. The intention of the contribution analysis is to better explain what caused observed changes between inventory years.

What is Driving the Trends

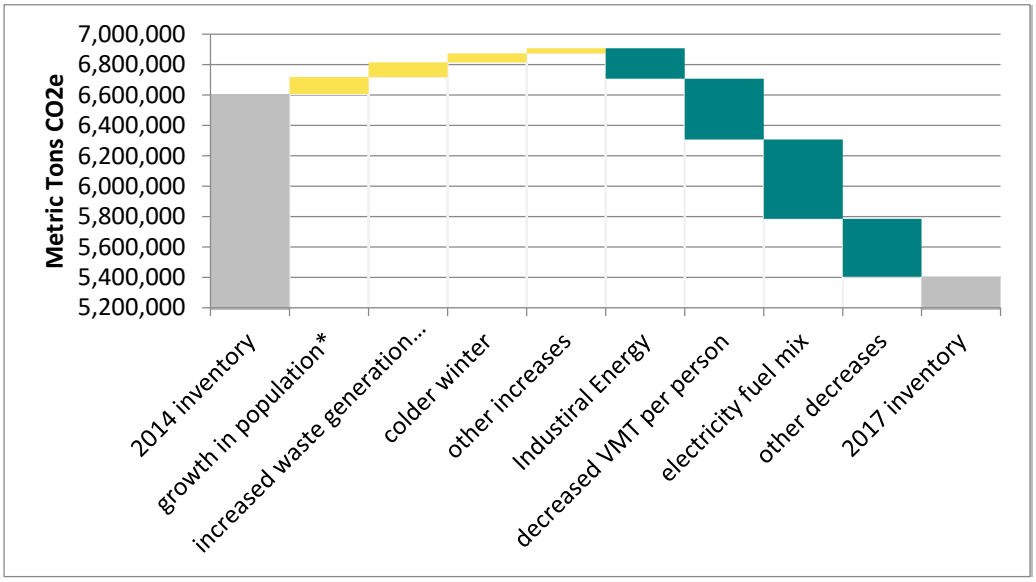
ICLEI USA ran the contribution analysis on the city's GHG emission trends for 2014-2017. Although emissions increased due to increased waste generation and population growth, overall emissions reductions were achieved by reducing VMT per person and reducing energy intensity.

Largest Contributors to Emissions Growth

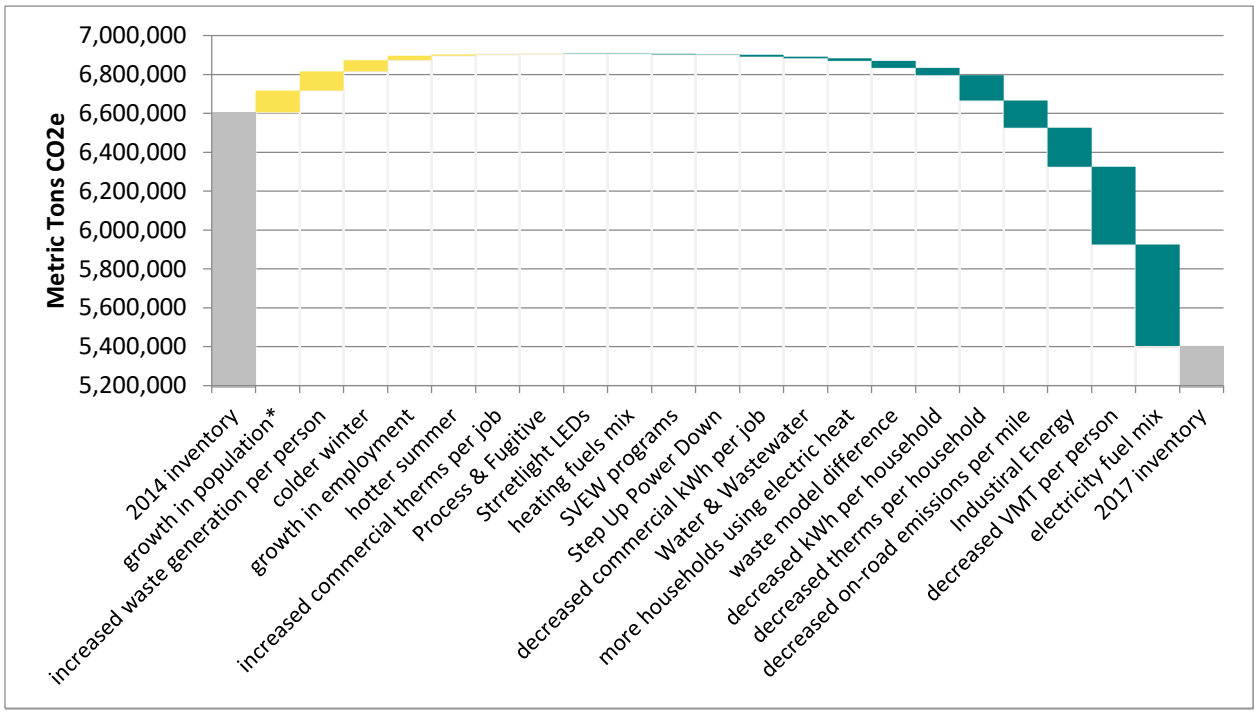
- Population growth
- Increased waste generation per person

Largest Contributors to Emissions Decline

- Reduced VMT per person
- Reduced energy intensity



Contribution Analysis Detail Overview



Conclusion

The ability to track performance in a meaningful way is enabled by the generation of high-quality local data about emissions generating activities themselves, as well as several local conditions and contextual factors. Fully describing the built environment, transportation, and waste management systems with data enables communities to meaningfully track trends and formulate data-driven policy to create more sustainable communities. For San Jose, decreasing VMT and reducing energy intensity show the largest changes in overall Community emissions. Developing programs to continue reducing these emissions can have a large impact on overall City emissions.